

# WOODARD, EMHARDT, MORIARTY, MCNETT & HENRY LLP

JACK V. MORIARTY  
JOHN C. MCNETT  
THOMAS Q. HENRY  
JAMES M. DURLACHER  
CHARLES R. REEVES  
VINCENT O. WAGNER  
STEVE ZLATOS  
SPIRO BEREVEKOS  
DANIEL J. LUEDERS  
KENNETH A. GANDY  
TIMOTHY N. THOMAS

KURT N. JONES  
HOLIDAY W. BANTA  
TROY J. COLE  
CHARLES J. MEYER  
LISA A. HIDAY  
CHRISTOPHER A. BROWN  
CHARLES P. SCHMAL  
JOHN M. BRADSHAW  
QUENTIN G. CANTRELL  
EDWARD E. SOWERS  
MICHAEL S. WHERRY

PATENT AND TRADEMARK ATTORNEYS  
FOUNDED 1879  
111 MONUMENT CIRCLE, SUITE 3700  
INDIANAPOLIS, INDIANA 46204-5137  
(317) 634-3456  
FAX (317) 637-7561  
www.uspatent.com

DOUGLAS G. GALLAGHER  
MARTA L. PAUL  
ELIZABETH A. SHUSTER  
TIMOTHY B. PAUL  
TERESA E. KNIGHT  
KRISTOPHER T. LYNCH  
WILLIAM A. MCKENNA\*  
JAMES R. BLAUFUSS  
EDWARD A. COURTNEY III\*  
BOBAK P. JALAE  
\*NOT ADMITTED TO PATENT BAR

C. DAVID EMHARDT  
JOSEPH A. NAUGHTON  
DARRIN W. HARRIS  
OF COUNSEL  
HAROLD R. WOODARD  
(1911-2003)

September 8, 2008

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

ATTN: Decision and Certificate of Correction  
Branch of the Patent Issue Division

Re: Request for Certificate of Correction of Patent (37 CFR § 1.322)  
U.S. Patent No. 7,407,811 B2  
Date: September 8, 2008  
Title: SYSTEM AND METHOD FOR ANALYTE MEASUREMENT USING  
AC EXCITATION  
Inventor(s): Burke, Kuhn, Beaty, Svetnik  
Our Ref. No.: 7404-553


Dear Commissioner:

A Certificate of Correction of the above-identified Patent is respectfully requested to correct certain errors of a clerical or typographical nature or of minor character which appear in the Patent as issued.

The exact locations where the errors occur and the necessary corrections are indicated on the attached form PTO/SB/44 (10-96), which form as prepared is suitable for printing. It is believed that all of the errors as set out were made on the part of the Patent and Trademark Office. However, if any fees are required in order to complete the Certificate of Correction, please charge them to Deposit Account No. 23-3030.

Please send the Certificate to Woodard, Emhardt, Moriarty, McNett & Henry, LLP, 111 Monument Circle, Suite 3700, Indianapolis, Indiana 46204.

Sincerely yours,

  
Troy J. Cole, Reg. No. 35,102  
Woodard, Emhardt, Moriarty, McNett & Henry LLP

Enclosure

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,407,811 B2

Page 1 of 3

APPLICATION NO.: 10/688,343

10/688,343

ISSUE DATE : August 5, 2008

INVENTOR(S) : Burke, Kuhn, Beaty, Svetnik

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13, Equation 2, please replace the entire equation with:

$$\begin{aligned} \text{PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_1 dT + \tau_2 dT^2) \\ & + (a_1 DC)(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_3 dT + \tau_4 dT^2) \end{aligned}$$

Column 14, Equation 4, please replace the entire equation with:

$$\begin{aligned} \text{PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_1 dT + \tau_2 dT^2) \\ & + (a_1 P_{\text{eff}})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_3 dT + \tau_4 dT^2) \end{aligned}$$

Column 18, Equation 8, please replace the entire equation with:

$$\begin{aligned} \text{PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_1 dT + \tau_2 dT^2) \\ & + (a_1 DC)(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_3 dT + \tau_4 dT^2) \end{aligned}$$

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,407,811 B2

Page 2 of 3

APPLICATION NO.: 10/688,343

10/688,343

ISSUE DATE : August 5, 2008

INVENTOR(S) : Burke, Kuhn, Beaty, Svetnik

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 22, Equation 13, please replace the entire equation with:

$$\begin{aligned} \text{PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_1 T_{\text{est}} + \tau_2 T_{\text{est}}) \\ & + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_3 T_{\text{est}} + \tau_4 T_{\text{est}}) \end{aligned}$$

Column 39, Claim 114 should be replaced in its entirety with:

--The method of claim 104, wherein said determining a third value comprises determining the glucose concentration using

$$\begin{aligned} \text{PRED} = & (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_1 dT + \tau_2 dT^2) \\ & + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_3 dT + \tau_4 dT^2) \end{aligned}$$

Where: PRED is the glucose concentration,

DC is the second admittance response,

$a_0$ ,  $a_1$ ,  $\text{hct}$ ,  $\text{hct}_2$ ,  $\text{hct}_3$ ,  $\text{hct}_4$ ,  $\tau_1$ ,  $\tau_2$ ,  $\tau_3$  and  $\tau_4$  are constants,

$H_{\text{est}}$  is the hematocrit value, and

$dT$  is the temperature value.--

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 7,407,811 B2

Page 3 of 3

APPLICATION NO.: 10/688,343

10/688,343

ISSUE DATE : August 5, 2008

INVENTOR(S) : Burke, Kuhn, Beaty, Svetnik

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 40, Claim 125 should be replaced in its entirety with:

--The method of claim 115, wherein step (g) comprises determining the glucose concentration using

$$\text{PRED} = (a_0 + \text{hct}_1 H_{\text{est}} + \text{hct}_2 H_{\text{est}}^2 + \tau_1 dT + \tau_2 dT^2) \\ + (a_1 \text{DC})(1 + \text{hct}_3 H_{\text{est}} + \text{hct}_4 H_{\text{est}}^2)(1 + \tau_3 dT + \tau_4 dT^2)$$

Where: PRED is the glucose concentration,

DC is the second admittance response,

$a_0$ ,  $a_1$ ,  $\text{hct}$ ,  $\text{hct}_2$ ,  $\text{hct}_3$ ,  $\text{hct}_4$ ,  $\tau_1$ ,  $\tau_2$ ,  $\tau_3$  and  $\tau_4$  are constants,

$H_{\text{est}}$  is the hematocrit value, and

$dT$  is the temperature value.--

**MAILING ADDRESS OF SENDER:**

Woodard, Emhardt, Moriarty, McNett & Henry LLP  
Attention: Troy J. Cole, Reg. No. 35,102  
111 Monument Circle, Suite 3700  
Indianapolis, IN 46204-5137

PATENT NO. 7,407,811 B2